

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101566535  
Source: FEWP  
Date Processed by STIC: 2/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

10/566/535

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 \_\_\_\_ Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 \_\_\_\_ Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 \_\_\_\_ Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 \_\_\_\_ Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 \_\_\_\_ Variable Length     Sequence(s) \_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 \_\_\_\_ PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 \_\_\_\_ Skipped Sequences  
    (OLD RULES)     Sequence(s) \_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
                            (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                            (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                            (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                            This sequence is intentionally skipped  
  
                            Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 \_\_\_\_ Skipped Sequences  
    (NEW RULES)     Sequence(s) \_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
                            <210> sequence id number  
                            <400> sequence id number  
                            000
- 9 \_\_\_\_ Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                            Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                            In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 \_\_\_\_ Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 \_\_\_\_ Use of <220>     Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                            (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 \_\_\_\_ PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 \_\_\_\_ Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,535

TIME: 10:08:23

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

3 <110> APPLICANT: Kiyotaka Shiba and Kenichi Sano  
 5 <120> TITLE OF INVENTION: Peptides capable of binding to titanium, silver, and  
 silicone

7 &lt;130&gt; FILE REFERENCE: 4439-4039

C--&gt; 9 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/566,535

C--&gt; 9 &lt;141&gt; CURRENT FILING DATE: 2006-01-30

9 &lt;150&gt; PRIOR APPLICATION NUMBER: JP2003-282509

10 &lt;151&gt; PRIOR FILING DATE: 2003-07-30

12 &lt;160&gt; NUMBER OF SEQ ID NOS: 56

14 &lt;170&gt; SOFTWARE: PatentIn version 3.1

16 &lt;210&gt; SEQ ID NO: 1

17 &lt;211&gt; LENGTH: 6

18 &lt;212&gt; TYPE: PRT

19 &lt;213&gt; ORGANISM: Artificial

21 &lt;220&gt; FEATURE:

22 &lt;223&gt; OTHER INFORMATION: delta7-12

24 &lt;400&gt; SEQUENCE: 1

26 Arg Lys Leu Pro Asp Ala

27 1 5

30 &lt;210&gt; SEQ ID NO: 2

31 &lt;211&gt; LENGTH: 6

32 &lt;212&gt; TYPE: PRT

33 &lt;213&gt; ORGANISM: Artificial

35 &lt;220&gt; FEATURE:

36 &lt;223&gt; OTHER INFORMATION: K2A-delta7-12

38 &lt;400&gt; SEQUENCE: 2

40 Arg Ala Leu Pro Asp Ala

41 1 5

44 &lt;210&gt; SEQ ID NO: 3

45 &lt;211&gt; LENGTH: 12

46 &lt;212&gt; TYPE: PRT

47 &lt;213&gt; ORGANISM: Artificial

49 &lt;220&gt; FEATURE:

50 &lt;223&gt; OTHER INFORMATION: e3-2-3

52 &lt;400&gt; SEQUENCE: 3

54 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp

55 1 5 10

58 &lt;210&gt; SEQ ID NO: 4

59 &lt;211&gt; LENGTH: 12

60 &lt;212&gt; TYPE: PRT

61 &lt;213&gt; ORGANISM: Artificial

63 &lt;220&gt; FEATURE:

64 &lt;223&gt; OTHER INFORMATION: R1A

66 &lt;400&gt; SEQUENCE: 4

Does Not Comply  
 Corrected Diskette Needed

(pg.1-5)

Invalid  
 Response

Invalid  
 Response

See  
 item#  
 11 on  
 error  
 summary  
 sheet.

Invalid  
 Response

same  
 error

What is the  
 source of genetic  
 material?

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/566,535

DATE: 02/07/2006

TIME: 10:08:23

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

*same errors**See item**#11 on**error summary sheet*

68 Ala Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp  
69 1 5 10  
72 <210> SEQ ID NO: 5  
73 <211> LENGTH: 12  
74 <212> TYPE: PRT  
75 <213> ORGANISM: Artificial  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: K2A  
80 <400> SEQUENCE: 5  
82 Arg Ala Leu Pro Asp Ala Pro Gly Met His Thr Trp  
83 1 5 10  
86 <210> SEQ ID NO: 6  
87 <211> LENGTH: 12  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Artificial  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: D3A  
94 <400> SEQUENCE: 6  
96 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp  
97 1 5 10  
100 <210> SEQ ID NO: 7  
101 <211> LENGTH: 12  
102 <212> TYPE: PRT  
103 <213> ORGANISM: Artificial  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: P4A  
108 <400> SEQUENCE: 7  
110 Arg Lys Leu Ala Asp Ala Pro Gly Met His Thr Trp  
111 1 5 10  
114 <210> SEQ ID NO: 8  
115 <211> LENGTH: 12  
116 <212> TYPE: PRT  
117 <213> ORGANISM: Artificial  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: D5A  
122 <400> SEQUENCE: 8  
124 Arg Lys Leu Pro Ala Ala Pro Gly Met His Thr Trp  
125 1 5 10  
128 <210> SEQ ID NO: 9  
129 <211> LENGTH: 12  
130 <212> TYPE: PRT  
131 <213> ORGANISM: Artificial  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: P7A  
136 <400> SEQUENCE: 9  
138 Arg Lys Leu Pro Asp Ala Ala Gly Met His Thr Trp  
139 1 5 10  
142 <210> SEQ ID NO: 10  
143 <211> LENGTH: 12

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,535

TIME: 10:08:23

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

144 <212> TYPE: PRT  
145 <213> ORGANISM: Artificial  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: G8A  
150 <400> SEQUENCE: 10  
152 Arg Lys Leu Pro Asp Ala Pro Ala Met His Thr Trp  
153 1 5 10  
156 <210> SEQ ID NO: 11  
157 <211> LENGTH: 12  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Artificial  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: M9A  
164 <400> SEQUENCE: 11  
166 Arg Lys Leu Pro Asp Ala Pro Gly Ala His Thr Trp  
167 1 5 10  
170 <210> SEQ ID NO: 12  
171 <211> LENGTH: 12  
172 <212> TYPE: PRT  
173 <213> ORGANISM: Artificial  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: H10A  
178 <400> SEQUENCE: 12  
180 Arg Lys Leu Pro Asp Ala Pro Gly Met Ala Thr Trp  
181 1 5 10  
184 <210> SEQ ID NO: 13  
185 <211> LENGTH: 12  
186 <212> TYPE: PRT  
187 <213> ORGANISM: Artificial  
189 <220> FEATURE:  
190 <223> OTHER INFORMATION: T11A  
192 <400> SEQUENCE: 13  
194 Arg Lys Leu Pro Asp Ala Pro Gly Met His Ala Trp  
195 1 5 10  
198 <210> SEQ ID NO: 14  
199 <211> LENGTH: 12  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Artificial  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: W12A  
206 <400> SEQUENCE: 14  
208 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Ala  
209 1 5 10  
212 <210> SEQ ID NO: 15  
213 <211> LENGTH: 13  
214 <212> TYPE: PRT  
215 <213> ORGANISM: Artificial  
217 <220> FEATURE:  
218 <223> OTHER INFORMATION: Ala insert

Same  
errors

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,535

TIME: 10:08:23

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

✓ Same  
errors

220 <400> SEQUENCE: 15  
222 Ala Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp  
223 1 5 10  
226 <210> SEQ ID NO: 16  
227 <211> LENGTH: 12  
228 <212> TYPE: PRT  
229 <213> ORGANISM: Artificial  
231 <220> FEATURE:  
232 <223> OTHER INFORMATION: e3-2-2  
234 <400> SEQUENCE: 16  
236 Leu Asp Thr Thr Gln Val Ser Gly Pro Met Ser Ser  
237 1 5 10  
240 <210> SEQ ID NO: 17  
241 <211> LENGTH: 12  
242 <212> TYPE: PRT  
243 <213> ORGANISM: Artificial  
245 <220> FEATURE:  
246 <223> OTHER INFORMATION: e3-2-5  
248 <400> SEQUENCE: 17  
250 Ser Tyr Arg Leu Pro Val Tyr Leu His Ala Leu Leu  
251 1 5 10  
254 <210> SEQ ID NO: 18  
255 <211> LENGTH: 12  
256 <212> TYPE: PRT  
257 <213> ORGANISM: Artificial  
259 <220> FEATURE:  
260 <223> OTHER INFORMATION: e3-2-8  
262 <400> SEQUENCE: 18  
264 Ser Asp Pro Gln Gln Asp Trp Arg Arg Thr Thr Pro  
265 1 5 10  
268 <210> SEQ ID NO: 19  
269 <211> LENGTH: 12  
270 <212> TYPE: PRT  
271 <213> ORGANISM: Artificial  
273 <220> FEATURE:  
274 <223> OTHER INFORMATION: e3-2-12  
276 <400> SEQUENCE: 19  
278 Leu Pro Ser Gln Leu Leu Ser Gln Val Gln Leu Thr  
279 1 5 10  
282 <210> SEQ ID NO: 20  
283 <211> LENGTH: 12  
284 <212> TYPE: PRT  
285 <213> ORGANISM: Artificial  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: e3-2-19  
290 <400> SEQUENCE: 20  
292 Leu Cys Ala Gln Gln Thr Thr Ser Val His Pro Pro  
293 1 5 10  
296 <210> SEQ ID NO: 21

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,535

TIME: 10:08:23

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

Same  
errors

297 <211> LENGTH: 12  
298 <212> TYPE: PRT  
299 <213> ORGANISM: Artificial  
301 <220> FEATURE:  
302 <223> OTHER INFORMATION: e3-2-21  
304 <400> SEQUENCE: 21  
306 Met Gln Met Glu Gly Lys Pro Thr Leu Thr Leu Arg  
307 1 5 10  
310 <210> SEQ ID NO: 22  
311 <211> LENGTH: 12  
312 <212> TYPE: PRT  
313 <213> ORGANISM: Artificial  
315 <220> FEATURE:  
316 <223> OTHER INFORMATION: e3-2-29  
318 <400> SEQUENCE: 22  
320 Ser Thr Leu Lys Gln Pro Ile Gln Leu Leu Ala Gln  
321 1 5 10  
324 <210> SEQ ID NO: 23  
325 <211> LENGTH: 12  
326 <212> TYPE: PRT  
327 <213> ORGANISM: Artificial  
329 <220> FEATURE:  
330 <223> OTHER INFORMATION: e3-2-43  
332 <400> SEQUENCE: 23  
334 Ser Cys His Val Trp Tyr Asp Ser Cys Ser Ser Pro  
335 1 5 10  
338 <210> SEQ ID NO: 24  
339 <211> LENGTH: 12  
340 <212> TYPE: PRT  
341 <213> ORGANISM: Artificial  
343 <220> FEATURE:  
344 <223> OTHER INFORMATION: e3-2-55  
346 <400> SEQUENCE: 24  
348 Gln Asp Met Ile Arg Thr Ser Ala Leu Met Leu Gln  
349 1 5 10  
352 <210> SEQ ID NO: 25  
353 <211> LENGTH: 9  
354 <212> TYPE: PRT  
355 <213> ORGANISM: Artificial  
357 <220> FEATURE:  
358 <223> OTHER INFORMATION: e3-4-2  
360 <400> SEQUENCE: 25  
362 Cys Thr Ser Pro Thr Ser Val Asp Cys  
363 1 5  
366 <210> SEQ ID NO: 26  
367 <211> LENGTH: 9  
368 <212> TYPE: PRT  
369 <213> ORGANISM: Artificial  
371 <220> FEATURE:

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/07/2006  
PATENT APPLICATION:    US/10/566,535      TIME: 10:08:24

Input Set : A:\sequence listing.DOC  
Output Set: N:\CRF4\02012006\J566535.raw

**Invalid <213> Response:**

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56



VERIFICATION SUMMARY

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,535

TIME: 10:08:24

Input Set : A:\sequence listing.DOC

Output Set: N:\CRF4\02012006\J566535.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date